MAG-TA TDN Logical Analysis

3/1/04

The MAG-TA data network will give the Marine Aircraft Group commander a tactically postured information systems capability for his deployers.

❑ This capability will permit rapid deployment, employment and sustainment of aviation informations systems from garrison to the seabase and forward.

❑ A consistent data networking environment will facilitate a seamless transition from training to tactical aviation operations.

❑ This system will be secure, an integral part of the MCEN, interoperable with joint environments, leverage enterprise IT initiatives and support future strategic initiatives.

Legend:

Logical AND   = All conditions must be met

| Satisfied Condition | Unsatisfied or unknown Condition | Constraint |

The network system will permit seamless and rapid deployment, employment and sustainment of informations systems from garrison to seabase and forward.

10. Network system supports rapid deployment

A

20. Network system provides full, sustainable capability, common to garrison and deployed environments

B

30. Network system provides plug & play capability from garrison to deployed environment

C

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                                              A

                              ┌─────────────────────┐
                              │ 10. Network system  │
                              │ supports rapid      │
                              │ deployment          │
                              └─────────────────────┘

      ┌──────────────────┐   ┌──────────────────┐   ┌──────────────────┐
      │ 40. Systems are  │   │ 50. Supports     │   │ 60. We develop   │
      │ deployable in a  │   │ rapid integration│   │ and employ       │
      │ 6-18 hour window │   │ into the deployed│   │ standard         │
      │                  │   │ environment      │   │ operating        │
      └──────────────────┘   └──────────────────┘   │ procedures       │
                                                     └──────────────────┘

                                                            D

  ┌──────────────────┐  ┌──────────────────┐  ┌──────────────────┐
  │ 70. We have      │  │ 80. Our systems  │  │ 90. The network  │
  │ adequate organic │  │ require little to│  │ system is fully  │
  │ resources to     │  │ no               │  │ interoperable    │
  │ support the      │  │ reconfiguration  │  │ with the MCEN and│
  │ system           │  │ for deployment   │  │ IT-21/ISNS       │
  └──────────────────┘  └──────────────────┘  │ networks         │
                                               └──────────────────┘
          N                                            O

              ┌───────────┐  ┌───────────┐  ┌───────────────┐
              │ 100. We   │  │ 110. We   │  │ 120. We use   │
              │ use DHCP  │  │ employ a  │  │ Windows 2000  │
              │           │  │ modular   │  │ w/ Active     │
              │           │  │ domain    │  │ Directory     │
              │           │  │ schema    │  │               │
              └───────────┘  └───────────┘  └───────────────┘
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5-24

B

20. Network system provides full, sustainable capability, common to garrison and deployed environments

130. Network system provides full capability

140. The system provide information assurance

150. The system can be sustained.

160. Common user enviroment in garrison and deployed

J

170. Network system is securel

550. There is a sound Distaster Recovery (DR) strategy.

H

890. We have common configured network infrastructure in garrison and deployed

900. Our systems require little to no reconfiguration for deployment

G

580. There is an access control strategy

60. We develop and employ standard operating procedures

790. System provides deployed network infrastructure

680. System provides garrison network infrastructure

Q

910. Logical architecture and configuration is common

I

D

C

30. Network system provides plug & play capability from garrison to deployed environment

O

The network system is secure

90. The network system is fully interoperable with the MCEN and IT-21/ISNS networks

The organizational data environment remain consistent during deployment (Don't move the users 'cheese')

80. Our systems require little to no reconfiguration for deployment

G

Our configuration is IT-21/ISNS compatible

We develop and employ standard operating procedures

Our configuration is compatible with MCEN standards

Q

Configuration control is managed IAW IT-21/ISNS standards

Configuration is IT-21 certified

We employ standard connectivity interfaces

Interoperability is coordinated between MCNOSC & SPAWAR

Meet MCEN DAA requirements

We develop and employ standard operating procedures

D

J

130. Network system provides full capability

800. Supports applications

840. Network supports required services

670. Provides network communications to all users

810. Be certified for applications

830. Be desiged to support applications

850. System supports basic command, control and communications services (email, messaging, SIPR, etc.)

860. System supports common file & print services

170. Network system is securel

F

820. Employs standard protocols & interfaces

870. Data is maintained on deployable storage

880. We have deployable hardware.

550. There is a sound Distaster Recovery (DR) strategy.

G

660. This requirement is built into the MAG-TA cost model

300. We have interim capability.

P

K

E

9-24

H

150. The system can be sustained.

N

170. Network system is securel

70. We have adequate organic resources to support the system

60. We develop and employ standard operating procedures

G

180. We have adequate manpower to support the system

190. We have the tools & test equipment

200. We are funded to support the system

D

210. We have Exchange trained Marines

220. We have DMS trained Marines

230. We have IA trained Marines

240. We have ALTIS trained Marines in the IMA

250. We can leverage the staffing on the COMM sqdn T/O assigned to support the MAG

260. We have ALTIS trained Marines in the OMA

L

270. We are able to use these Marines

280. There are trained Marines in the MAG T/O

290. The billets are staffed

E

300. We have interim capability.

310. If we have partial mission capability

320. We identify and correct interim mission critical deficiencies.

330. NTCSS POR is funded.

340. We maintain current aviation TBA ADP funding.

350. We leverage EOM/EOY 'opportunity' funds.

L

200. We are funded to support the system

360. We have adequate funding over the next 18 months.

370. MAG-TA item is approved for POM-06

380. NTCSS POR is funded.

390. We maintain current aviation TBA ADP funding.

400. We leverage EOM/EOY 'opportunity' funds.

410. We have a sound cost model.

420. Information system will leverage enterprise initiatives that support operational and strategic goals.

430. The cost model supports fielding.

440. The cost model supports ILS.

450. The cost model supports refresh.

460. The cost model is detailed.

M

11-24

F

850. System supports basic command, control and communications services (email, messaging, SIPR, etc.)

920. System support standard messaging (MS Exchange)

930. System supports DoD messaging service (DMS)

940. System supports classified information (SIPR)

180. We have adequate manpower to support the system

955. We have Exchange servers & software

960. We have directory services from MCNOSC

965.0 We have DMS servers

180. We have adequate manpower to support the system

970. We have a SCIF

975. We have SIPR compliant network drops

980. We have SIPR servers

300. We have interim capability.

660. This requirement is built into the MAG-TA cost model

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300. We have interim capability.

660. This requirement is built into the MAG-TA cost model

E

990. MCNOSC can provide directory services.

995. C4 directs MCNOSC to provide service

E

E

G

170. Network system is
securel

P

I

510. Protected
from external
threats

550. There is a
sound Distaster
Recovery (DR)
strategy.

555. We employ
standard security
procedures

580. There is an
access control
strategy

520. We are
behind the MCEN
B1.

530. We are
behind a TDN
Gateway (DSID).

540. We are
behind the Navy
NOC B1.

560. Critical data is
replicated near
site/off-site

570. Recovery is
simple and rapid.

590. We
implement IAVAs
IAW MC TDN &
ISNS strategy.

600. We use a
common DoD PKI
model.

610. We use a
common MS
windows domain
model.

620. Navy and
Marine Corps have
a coordinated
IAVA
implementation
proccess.

630. We have
tools for IAVA
implementation
and management
(SMS).

640. We have PKI
certificate servers.

650. Our
workstations are
CAC card capable.

300. We have
interim capability.

660. This
requirement is built
into the MAG-TA
cost model

E

14-24

D

60. We develop and employ standard operating procedures

470. MCNOSC, G6 and AISD have Standard Operating Procedures for the existing MCEN

480. MCNOSC, G6 and ASID have reconciled Standard Operating Procedures for applicability to MAG-TA.

490. The USMC DAA has approved the Standard Operating Procedures for MAG-TA

500. System is part of a POR with Integrated Lifecycle Support

M

420. Information system will leverage enterprise initiatives that support operational and strategic goals.

421. We technology refresh the workstations from NMCI contract.

422. We use MCEN NMCI COI for WAN data transport.

423. Information system willl fully support transition to SeaBasing and ForceNet

424. We use IT-21/ISNS for technology refresh of supporting infrastructure.

425. We use MCEITS for non-deploying information systems and reachback.

426. Information System is based on IT-21/ISNS POR.

427. IT-21/ISNS is the current afloat network configuration.

428. The future SeaBase will be an afloat platform.

429. IT-21/ISNS will evolve to the SeaBase network architecture.

ISNS will be an afloat component of ForceNet.